

09/926450

JC17 Rec'd PCT/PTO 06 NOV 2001

DOCKET NO.: 215208 US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Koichi ITO, et al.

SERIAL NO.: NEW U.S. PCT APPLICATION

FILED: HEREWITH

INTERNATIONAL APPLICATION NO.: PCT/JP01/01739

INTERNATIONAL FILING DATE: March 6, 2001

FOR: DATA TRANSMISSION SYSTEM AND COMMUNICATION DEVICES

**REQUEST FOR CONSIDERATION OF DOCUMENTS  
CITED IN INTERNATIONAL SEARCH REPORT**

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

In the matter of the above-identified application for patent, notice is hereby given that applicant(s) request that the Examiner consider the documents cited in the International Search Report according to MPEP §609 and so indicate by a statement in the first Office Action that the information has been considered. When the Form PCT/DO/EO/903 indicates both the search report and copies of the documents are present in the national stage file, there is no requirement for the applicant(s) to submit them (1156 O.G. 91 November 23, 1993).

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

*Surinder Sachar*  
\_\_\_\_\_  
Marvin J. Spivak  
Attorney of Record  
Registration No. 24, 913  
Surinder Sachar  
Registration No. 34,423



22850

(703) 413-3000  
Fax No. (703) 413-2220  
(OSMMN 1/97)

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>00S1168P</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/JP 01/01739</b>	International filing date ( <i>day/month/year</i> ) <b>06/03/2001</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>06/03/2000</b>
Applicant <b>KABUSHIKI KAISHA TOSHIBA et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 2 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
  - contained in the international application in written form.
  - filed together with the international application in computer readable form.
  - furnished subsequently to this Authority in written form.
  - furnished subsequently to this Authority in computer readable form.
  - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
  - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
- 2.  **Certain claims were found unsearchable** (See Box I).
- 3.  **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

2

None of the figures.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP 01/01739

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 H04N1/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97 26744 A (ROBB GARRY DOUGLAS) 24 July 1997 (1997-07-24) abstract ---	1-22
A	US 5 926 232 A (PELZ RODOLFO MANN ET AL) 20 July 1999 (1999-07-20) abstract column 1, line 5 - line 31 ---	1-22
A	ZHENG H ET AL: "QOS AWARE MOBILE VIDEO COMMUNICATIONS" ATLANTIC CITY, NJ, OCT 31 - NOV. 3, 1999, NEW YORK, NY: IEEE, US, vol. CONF. 18, 31 October 1999 (1999-10-31), pages 1231-1235, XP000922169 ISBN: 0-7803-5539-3 column 2, line 14 -column 2, line 34 -----	1-22



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

27 July 2001

Date of mailing of the international search report

06/08/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax: (+31-70) 340-3016

Authorized officer

Stoffers, C

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/JP 01/01739

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9726744	A 24-07-1997	AU 1363697	A	11-08-1997
		CA 2243244	A	24-07-1997
		CN 1208529	A	17-02-1999
		EP 0875109	A	04-11-1998
		TR 9801383	T	21-10-1998
		US 6177950	B	23-01-2001
-----	-----	-----	-----	-----
US 5926232	A 20-07-1999	DE 19603725	A	30-04-1997
		GB 2306867	A,B	07-05-1997
		JP 9149009	A	06-06-1997
-----	-----	-----	-----	-----

## PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)Date of mailing (day/month/year)  
31 août 2001 (31.08.01)SUZUYE, Takehiko  
c/o SUZUYE & SUZUYE  
7-2, Kasumigaseki 3-chome  
Chiyoda-ku, Tokyo 100-0013  
JAPONApplicant's or agent's file reference  
00S1168P

## IMPORTANT NOTIFICATION

International application No.  
PCT/JP01/01739International filing date (day/month/year)  
06 mars 2001 (06.03.01)

## 1. The following indications appeared on record concerning:

 the applicant     the inventor     the agent     the common representative
Name and Address  
KABUSHIKI KAISHA TOSHIBA  
72, Horikawa-cho  
Saiwai-ku, Kawasaki-shi, Kanagawa  
210-8572  
Japan

State of Nationality JP	State of Residence JP
Telephone No. 03-3457-2512	
Facsimile No. 03-3456-3229	
Teleprinter No.	

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

 the person     the name     the address     the nationality     the residence
Name and Address  
KABUSHIKI KAISHA TOSHIBA  
1-1, Shibaura 1-chome  
Minato-ku, Tokyo 105-8001  
Japan

State of Nationality JP	State of Residence JP
Telephone No. 045-770-3420	
Facsimile No. 045-770-3453	
Teleprinter No.	

## 3. Further observations, if necessary:

## 4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input checked="" type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Y. KUWAHARA

Telephone No.: (41-22) 338.83.38

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



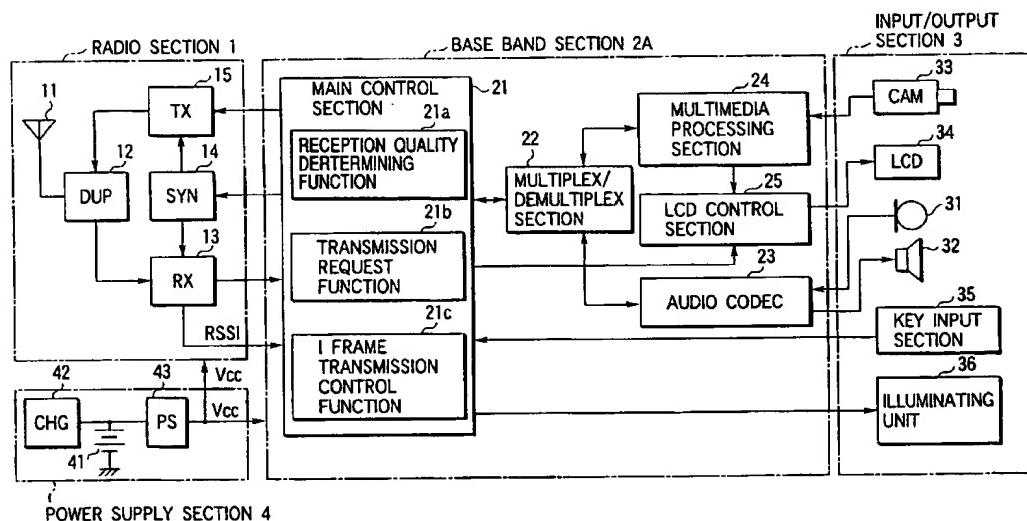
(43) International Publication Date  
13 September 2001 (13.09.2001)

PCT

(10) International Publication Number  
**WO 01/67738 A1**

- (51) International Patent Classification<sup>7</sup>: **H04N 1/00**
- (21) International Application Number: **PCT/JP01/01739**
- (22) International Filing Date: 6 March 2001 (06.03.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
2000-061213 6 March 2000 (06.03.2000) JP
- (71) Applicant (for all designated States except US): **KABUSHIKI KAISHA TOSHIBA** [JP/JP]; 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 210-8572 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ITO, Koichi** [JP/JP]; 18-18, Nishihirayama 3-chome, Hino-shi, Tokyo 191-0055 (JP). **YAMAGUCHI, Kentoku** [JP/JP]; 1-32-6-503, Bessho, Hachioji-shi, Tokyo 192-0363 (JP). **INOUE, Nobuhiro** [JP/JP]; 1821-1, Kobikimachi, Hachioji-shi, Tokyo 193-0934 (JP). **SATO, Yuichi** [JP/JP]; 28-1, Sanno 1-chome, Ota-ku, Tokyo 143-0023 (JP). **SAKUMA, Kei** [JP/JP]; 18-18, Nishihirayama 3-chome, Hino-shi, Tokyo 191-0055 (JP).
- [JP/JP]; 16-17, Owadamachi 5-chome, Hachioji-shi, Tokyo 192-0045 (JP). **OURA, Seiji** [JP/JP]; 106, Fuji-Heights, 3144, Noborito, Tama-ku, Kawasaki-shi, Kanagawa 214-0014 (JP). **OKA, Tomeo** [JP/JP]; 1F, Ota-so, 151, Nishinoyacho, Naka-ku, Yokohama-shi, Kanagawa 231-0844 (JP). **KATAOKA, Yoshihiro** [JP/JP]; 24-3-602, Daizawa 1-chome, Setagaya-ku, Tokyo 155-0032 (JP). **OGASAWARA, Hiroshi** [JP/JP]; 14-8, Aihara 3-chome, Sagamihara-shi, Kanagawa 229-1101 (JP).
- (74) Agents: **SUZUYE, Takehiko** et al.; c/o **SUZUYE & SUZUYE**, 7-2, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo 100-0013 (JP).
- (81) Designated State (national): US.
- (84) Designated States (regional): European patent (DE, GB).
- Published:**
- with international search report
  - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DATA TRANSMISSION SYSTEM AND COMMUNICATION DEVICES



(57) Abstract: In this invention, wireless video telephone communication between mobile telephones MS1 and MS2 using the MPEG-2 standard is performed when the reception field strength falls below a threshold value of H continuously for a specific period of T3 or longer in the course of receiving the data at one mobile telephone MS2, the telephone MS2 monitors the restoration of the reception field strength. After detecting the restoration, mobile telephone MS2 transmits a request for the transmission of an I frame to mobile telephone MS1. Upon receipt of the request, mobile telephone MS1 creates an I frame in place of a P frame and transmits the I frame.

WO 01/67738 A1